WHAT IS CLAIMED IS:

- 1. A positive photosensitive composition comprising:
- (A) an acid generator capable of generating an acid upon irradiation with one of an actinic ray and a radiation;
- (B) a resin: having a monocyclic or polycyclic alicyclic hydrocarbon structure; and being capable of decomposing by the action of an acid to increase the solubility in an alkali developer;
 - (C) a basic compound; and
- (D) a surfactant containing at least one of a fluorine atom and a silicon atom;

wherein the acid generator (A) comprises at least two compounds selected from the group consisting of a sulfonium salt compound not having an aromatic ring, a triarylsulfonium salt compound, and a compound having a phenacylsulfonium salt structure.

- The positive photosensitive composition as claimed in claim 1, which comprises (E) a solvent mixture including:
 - a solvent containing a hydroxyl group; and
 - a solvent not containing a hydroxyl group.
- 3. The positive photosensitive composition as claimed in claim 1, wherein the basic compound (C) includes a compound having at least one structure selected from the group consisting of an imidazole structure, a diazabicyclo structure, an onium hydroxide structure, an onium carboxylate structure and an aniline structure.

- 4. The positive photosensitive composition as claimed in claim 1, which further comprises (F) a low molecular weight dissolution-inhibiting compound having: a molecular weight of 3,000 or less; and a group capable of decomposing by the action of an acid to increase the solubility in an alkali developer.
- 5. The positive photosensitive composition as claimed in claim 1, wherein the acid generator (A) comprises the triarylsulfonium salt compound and the compound having a phenacyl sulfonium salt structure.
- 6. The positive photosensitive composition as claimed in claim 1, wherein the acid generator (A) comprises the sulfonium salt compound not having an aromatic ring and the compound having a phenacylsulfonium salt structure.
- 7. The positive photosensitive composition as claimed in claim 1, wherein the acid generator (A) comprises the sulfonium salt compound not having an aromatic ring and the triarylsulfonium salt compound.
- 8. The positive photosensitive composition as claimed in claim 1, wherein the resin (B) contains at least one selected from the group consisting of: a repeating unit having a partial structure containing an alicyclic hydrocarbon represented by formula (pI), (pII), (pIII), (pIV), (pV) or (pVI) below; and a repeating unit represented by formula (II-AB):

$$\begin{array}{cccc}
O & R_{11} \\
-C & O & C
\end{array}$$
(pVI)

wherein R_{11} represents a methyl group, an ethyl group, an n-propyl group, an isopropyl group, an n-butyl group, an isobutyl group 278

or a sec-butyl group; Z represents an atomic group necessary to form an alicyclic hydrocarbon group together with the carbon atom; R_{12} , R_{13} , R_{14} , R_{15} and R_{16} each independently represents a straight chain or branched alkyl group having from 1 to 4 carbon atoms, or an alicyclic hydrocarbon group, provided that at least one of R_{12} , R_{13} and R_{14} represents an alicyclic hydrocarbon group, and at least one of R₁₅ and R₁₆ represents an alicyclic hydrocarbon group; R17, R18, R19, R20 and R21 each independently represents a hydrogen atom, a straight chain or branched alkyl group having from 1 to 4 carbon atoms, or an alicyclic hydrocarbon group, provided that at least one of R17, R18, R19, R20 and R21 represents an alicyclic hydrocarbon group, and at least one of R19 and R21 represents a straight chain or branched alkyl group having from 1 to 4 carbon atoms, or an alicyclic hydrocarbon group; and R_{22} , R23, R24 and R25 each independently represents a straight chain or branched alkyl group having from 1 to 4 carbon atoms, or an alicyclic hydrocarbon group, provided that at least one of R22, R23, R24 and R25 represents an alicyclic hydrocarbon group, and R_{23} and R_{24} may be bonded to each other to form a ring;

wherein R_{11} ' and R_{12} ' each independently represents a hydrogen atom, a cyano group, a halogen atom, or an alkyl group which may have a substituent; Z' represents an atomic group necessary

to form an alicyclic structure together with the two carbon atoms (C-C), which may have a substituent.

- 9. The positive photosensitive composition as claimed in claim 8, wherein Z' in formula (II-AB) represents an atomic group necessary to form a bridge-containing alicyclic structure together with the two carbon atoms (C-C), which may have a substituent.
- 10. The positive photosensitive composition as claimed in claim 8, wherein the compound represented by formula (II-AB) is represented by formula (II-A) or (II-B):

wherein R_{13} ', R_{14} ', R_{15} ' and R_{16} ' each independently represents a hydrogen atom, a halogen atom, a cyano group, -COOH, -COOR₅, a group which decomposes by the action of an acid, -C(=0)-X-A'-R₁₇', an alkyl group which may have a substituent, or an alicyclic

hydrocarbon group which may have a substituent; R_5 represents an alkyl group which may have a substituent, a cyclic hydrocarbon group which may have a substituent, or a -Y group shown below; X represents an oxygen atom, a sulfur

atom, -NH-, -NHSO₂- or -NHSO₂NH-; A' represents a single bond or a divalent linking group; at least two of R_{13} ', R_{14} ', R_{15} ' and R_{16} ' may be bonded to each other to form a ring; n represents 0 or 1; R_{17} ' represents -COOH, -COOR₅, -CN, a hydroxyl group, an alkoxyl group which may have a

substituent, $-CO-NH-R_6$, $-CO-NH-SO_2-R_6$, or a -Y group shown below; R_6 represents an alkyl group which may have a substituent or a cyclic hydrocarbon group which may have a substituent, -Y group:

$$R_{25} = \begin{pmatrix} R_{22} & R_{21} & R_{30} & R_{26} \\ R_{23} & R_{24} \\ R_{24} & R_{25} & R_{25} \end{pmatrix}_{a} = \begin{pmatrix} R_{30} & R_{26} \\ R_{27} & R_{29} \\ R_{26} & R_{29} \end{pmatrix}_{b}$$

wherein R_{21} ' to R_{30} ' each independently represents a hydrogen atom or an alkyl group which may have a substituent, and a and b each represents 1 or 2.

- 11. A positive photosensitive composition comprising:
- (A) a compound capable of generating an acid upon irradiation with one of an actinic ray and a radiation; and
- (B1) a resin capable of increasing the solubility in an alkali developer by the action of an acid, in which the resin

has: a repeating unit having a group represented by formula (V-1), (V-2), (V-3) or (V-4) below; and an aliphatic cyclic hydrocarbon group:

$$\begin{array}{c} R_{3b} \\ R_{2b} \\ R_{2b} \end{array} \qquad \begin{array}{c} R_{3b} \\ R_{5b} \end{array} \qquad (V-1)$$

$$\begin{array}{c} R_{1b} \\ R_{2b} \\ R_{6b} \end{array} \qquad (V-2)$$

$$R_{1b}$$
 R_{3b} R_{4b} R_{5b} R_{5b} $(V-3)$

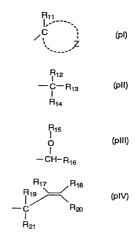
$$R_{1b}$$
 R_{4b} R_{4b} R_{5b} $(V-4)$

wherein R_{1b} , R_{2b} , R_{3b} , R_{4b} and R_{5b} each independently represents a hydrogen atom, an alkyl group which may have a substituent, a cycloalkyl group which may have a substituent, or an alkenyl group which may have a substituent; two of R_{1b} , R_{2b} , R_{3b} , R_{4b} and R_{5b} may be bonded to form a ring,

wherein the acid generator (A) comprises at least two compounds selected from the group consisting of a triarylsulfonium

saltcompound, a compound having a phenacyl sulfonium salt structure, and a sulfonium salt compound not having an aromatic ring.

12. The positive photosensitive composition as claimed in claim 11, wherein the resin (B) contains at least one selected from the group consisting of: a repeating unit having a partial structure containing an alicyclic hydrocarbon represented by formula (pI), (pII), (pIII), (pIV), (pV) or (pVI) below; and a repeating unit represented by formula (II-AB):



wherein R₁₁ represents a methyl group, an ethyl group, an n-propyl group, an isopropyl group, an n-butyl group, an isobutyl group or a sec-butyl group; Z represents an atomic group necessary to form an alicyclic hydrocarbon group together with the carbon atom; R12, R13, R14, R15 and R16 each independently represents a straight chain or branched alkyl group having from 1 to 4 carbon atoms, or an alicyclic hydrocarbon group, provided that at least one of R12, R13 and R14 represents an alicyclic hydrocarbon group, and at least one of R15 and R16 represents an alicyclic hydrocarbon group; R_{17} , R_{18} , R_{19} , R_{20} and R_{21} each independently represents a hydrogen atom, a straight chain or branched alkyl group having from 1 to 4 carbon atoms, or an alicyclic hydrocarbon group, provided that at least one of R_{17} , R_{18} , R_{19} , R_{20} and R_{21} represents an alicyclic hydrocarbon group, and at least one of R19 and R21 represents a straight chain or branched alkyl group having from 1 to 4 carbon atoms, or an alicyclic hydrocarbon group; and R22, R23, R24 and R25 each independently represents a straight chain or branched alkyl group having from 1 to 4 carbon atoms, or an alicyclic hydrocarbon group, provided that at least one of R22,

 $R_{23},\ R_{24}$ and R_{25} represents an alicyclic hydrocarbon group, and R_{23} and R_{24} may be bonded to each other to form a ring;

wherein R_{11} ' and R_{12} ' each independently represents a hydrogen atom, a cyano group, a halogen atom, or an alkyl group which may have a substituent; Z' represents an atomic group necessary to form an alicyclic structure together with the two carbon atoms (C-C), which may have a substituent.

- 13. The positive photosensitive composition as claimed in claim 12, wherein Z' in formula (II-AB) represents an atomic group necessary to form a bridge-containing alicyclic structure together with the two carbon atoms (C-C), which may have a substituent.
- 14. The positive photosensitive composition as claimed in claim 12, wherein the compound represented by formula (II-AB) is represented by formula (II-A) or (II-B):

wherein R_{13} ', R_{14} ', R_{15} ' and R_{16} ' each independently represents a hydrogen atom, a halogen atom, a cyano group, -COOH, -COORs, a group which decomposes by the action of an acid, -C(=0)-X-A'-R₁₇', an alkyl group which may have a substituent, or an alicyclic hydrocarbon group which may have a substituent; R_{5} represents an alkyl group which may have a substituent, a cyclic hydrocarbon group which may have a substituent, or a -Y group shown below; X represents an oxygen atom, a sulfur

atom, -NH-, -NHSO₂- or -NHSO₂NH-; A' represents a single bond or a divalent linking group; at least two of R_{13} ', R_{14} ', R_{15} ' and R_{16} ' may be bonded to each other to form a ring; n represents 0 or 1; R_{17} ' represents -COOH, -COOR₅, -CN, a hydroxyl group, an alkoxyl group which may have a

substituent, -CO-NH-R6, -CO-NH-SO $_2$ -R6, or a -Y group shown below; R6 represents an alkyl group which may have a substituent or a cyclic hydrocarbon group which may have a substituent, -Y group:

wherein R_{21} ' to R_{30} ' each independently represents a hydrogen atom or an alkyl group which may have a substituent, and a and b each represents 1 or 2.

- 15 The positive photosensitive composition as claimed in claim 11, which further comprises (C) a surfactant containing at least one of a fluorine atom and a silicon atom.
- 16. The positive photosensitive composition as claimed in claim 11, which further comprises (D) a solvent mixture containing:
- at least one solvent selected from the solvent group $\mbox{\bf A}$ below; and
- at least one of a solvent selected from the solvent group B below, and a solvent selected from the solvent group C:
- group A: propylene glycol monoalkyl ether acylate, group B: propylene glycol monoalkyl ether, alkyl lactate and alkyl alkoxypropionate,
- group C: $\gamma\textsubstructure,$ ethylene carbonate, and propylene carbonate.
- 17. The positive photosensitive composition as claimed in claim 11, which further comprises (D) a solvent mixture containing:
 - at least one alkyl lactate; and
 - at least one of an ester solvent and alkyl

alkoxypropionate.

- 18. The positive photosensitive composition as claimed in claim 17, wherein the solvent (D) further contains at least one of y-butyrolactone, ethylene carbonate, and propylene carbonate.
- 19. The positive photosensitive composition as claimed in claim 11, which further comprises (D) a solvent mixture containing:
- at least one solvent selected from the solvent group \boldsymbol{D} below; and
- at least one of a solvent selected from the solvent group E, and at a solvent selected from the solvent group F:
 - group D: heptanone;
- group E: propylene glycol monoalkyl ether, alkyl lactate
 and alkyl alkoxypropionate;
- group F: $\gamma\textsubstructione,$ ethylene carbonate, and propylene carbonate.